

## Performance Table

Unit	Item	J55AD									
		15H			30H			60H			
Injection Unit	Screw cylinder type	K	A	B	K	A	B	K	A	B	
	Screw diameter mm	16	18	20	20	22	25	25	28	32	
	Screw stroke mm	60			80			100			
	Theoretical injection capacity cm <sup>3</sup>	12	15	18	25	30	39	49	62	80	
	Injection capacity (GP-PS) g	11	14	17	23	28	38	45	56	73	
	Standard	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}	165 {1680}
		Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}
		Injection speed mm/s	350			350			350		
		Injection rate cm <sup>3</sup> /s	70	89	110	110	133	172	172	216	281
		Plasticizing rate (GP-PS) kg/h	10	14	17	17	21	28	34	46	74
		Screw speed min <sup>-1</sup>	500			500			400		
		High speed (HS)	Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}
	Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }		251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}
	Injection speed mm/s		550			550			500		
	Injection rate cm <sup>3</sup> /s		111	140	173	173	209	270	245	308	402
	Plasticizing rate (GP-PS) kg/h		10	14	17	17	21	28	34	46	74
	Screw speed min <sup>-1</sup>		500			500			400		
	Ultra speed (US)		Injection pressure(Max.) MPa {kgf/cm <sup>2</sup> }	276 {2810}	218 {2220}	177 {1800}	270 {2750}	223 {2270}	172 {1750}	270 {2750}	215 {2190}
		Holding pressure(Max.) MPa {kgf/cm <sup>2</sup> }	251 {2560}	198 {2010}	161 {1640}	245 {2490}	203 {2070}	157 {1600}	245 {2490}	195 {1980}	150 {1530}
		Injection speed mm/s	800			800			800		
		Injection rate cm <sup>3</sup> /s	161	204	251	251	304	393	393	493	643
		Plasticizing rate (GP-PS) kg/h	10	14	17	17	21	28	34	46	74
		Screw speed min <sup>-1</sup>	500			500			400		
	General	Nozzle touch force kN {tf}	9.9 {1.0}			14.8 {1.5}			14.8 {1.5}		
		Nozzle stroke from platen mm	50								
		Type of nozzle	Open nozzle								
		Cylinder temperature control	Cylinder 3 / Nozzle 2						Cylinder 4 / Nozzle 2		
	Heater wattage kW	3.1			3.9			5.5			
Clamping Unit	Mechanism	Double toggle									
	Clamping force kN {tf}	540 {55}									
	Daylight opening (Max.) mm	630									
	Opening stroke (Max.) mm	260									
	Mold height mm	160~370									
	Distance between tie-bars (H×V) mm	360×310									
	Platen size (H×V) mm	520×470									
	Ejector point	5 points									
Ejector force kN {tf}	20 {2.0}										
Ejector stroke mm	70										
General	Machine weight t	3.0			3.1			3.1			
	Machine dimensions (L×W×H) m	3.54×1.05×1.58			3.54×1.05×1.58			3.66×1.05×1.58 (US 3.78×1.05×1.58)			

**Remarks:**

- Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
- The theoretical injection capacity is (cross sectional area of cylinder) × (stroke of screw).
- The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
- The plasticizing rate is applicable for GP-PS.
- PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.

**Note:**

- Due to continual improvements, specifications are subject to change without notice.
- Actual figures of the specification will vary depending on final machine configuration. Please contact us if you require more specific data.
- Performance specifications are based on theoretical data.
- High speed injection and Ultra speed injection are optional.
- 5.1MPa=10.2 kgf/cm<sup>2</sup>, 1kN=0.102tf

## Equipment Dimensions and Mold Related Dimensions

